

Claims:

1. An antenna arrangement having a flat dipole which is arranged on a substrate (7), having the following features:
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- the end areas (9) (which point towards one another) of the dipole halves (1') are each electrically connected to their own connecting line (49a, 49b),
 - 10 - the connecting lines (49a, 49b) lead to two amplifiers (53a, 53b),
 - the outputs of the two amplifiers (53a, 53b) are connected to the two inputs of a transformer (55), whose output is at least indirectly electrically
 - 15 connected to a connection (61), preferably to a coaxial connection (61),
- characterized by** the following further features:
- two or more filters (51, 57, 59) is or are provided,
 - 20 - the dipole halves (1') are arranged on a substrate (7) together with the amplifiers (53a, 53b) and the filters (51, 57, 59),
 - the filters (51, 57, 59) are arranged between the connecting lines (49a, 49b) which lead to the
 - 25 dipole halves (1'), and the connecting point (61),
 - the filter or filters (51, 57, 59) is or are provided for suppression of mobile radio frequency ranges and/or as protection for broadcast radio signals,
 - 30 - a low-pass filter (57) is connected between the outputs of the two amplifiers (53a, 53b) and the connection (61) in order to suppress mobile radio frequencies (cellular telephone frequencies), and
 - a bandstop filter (59) is also connected between
 - 35 the outputs of the two amplifiers (53a, 53b) and a connecting point (61).

2. The antenna arrangement as claimed in claim 1, **characterized in that** the bandstop filter (55) is connected downstream from the low-pass filter (57).

5 3. The antenna arrangement as claimed in claim 1 or 2, **characterized in that** the connecting lines (49a, 49b) are connected to one another via a connection line (41), to be precise with a high-pass filter (52) connected between them.

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4. The antenna arrangement as claimed in one of claims 1 to 3, **characterized in that** the connecting lines (49a, 49b) respectively have at least one capacitance (71a, 71b), and/or the end areas (9) of the
15 dipole halves (1') are preferably connected to the respective downstream amplifier (53a, 53b) via a capacitive coupling (71a, 71b).

5. The antenna arrangement as claimed in one of
20 claims 1 or 4, **characterized in that** the low-pass filter (57) and/or the bandstop filter (59) are/is provided downstream from the transformer (55) and upstream of the connecting point (61).